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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS	3	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS	4	MAR 31	CA/CAPLUS and CASREACT patent number format for U.S. applications updated
NEWS	5	MAR 31	LPCI now available as a replacement to LDPCI
NEWS	6	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	7	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS	8	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS	9	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS	10	APR 28	IMSRESEARCH reloaded with enhancements
NEWS	11	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS	12	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS	13	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS	14	JUN 06	KOREAPAT updated with 41,000 documents
NEWS	15	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS	16	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS	17	JUN 25	CA/CAPLUS and USPAT databases updated with IPC reclassification data
NEWS	18	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS	19	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS	20	JUN 30	STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS	21	JUN 30	STN AnaVist enhanced with database content from EPFULL
NEWS	22	JUL 28	CA/CAPLUS patent coverage enhanced
NEWS	23	JUL 28	EPFULL enhanced with additional legal status information from the epline Register
NEWS	24	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS	25	JUL 28	STN Viewer performance improved
NEWS	26	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS EXPRESS		JUNE 27 08	CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 20:52:59 ON 03 AUG 2008

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 20:53:08 ON 03 AUG 2008

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STRUCTURE FILE UPDATES: 2 AUG 2008 HIGHEST RN 1037774-47-2

DICTIONARY FILE UPDATES: 2 AUG 2008 HIGHEST RN 1037774-47-2

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Documents and Settings\ahughes\My Documents\10528613(9).str

L1 STRUCTURE UPLOADED

=> s l1 sss sam

SAMPLE SEARCH INITIATED 20:53:38 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 3 TO 163

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss ful

FULL SEARCH INITIATED 20:53:49 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 102 TO ITERATE

100.0% PROCESSED 102 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=>

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L4 STRUCTURE UPLOADED

=> s l4 sss sam

SAMPLE SEARCH INITIATED 20:54:29 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 82 TO ITERATE

100.0% PROCESSED 82 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 1097 TO 2183

PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> s l4 sss ful

FULL SEARCH INITIATED 20:54:38 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1575 TO ITERATE

100.0% PROCESSED 1575 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L6 0 SEA SSS FUL L4

=>

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L7 STRUCTURE UPLOADED

=> s l7 sss sam

SAMPLE SEARCH INITIATED 20:55:19 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 22 TO ITERATE

100.0% PROCESSED 22 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 159 TO 721

PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> s l7 sss ful

FULL SEARCH INITIATED 20:55:26 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 416 TO ITERATE

100.0% PROCESSED 416 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L9 0 SEA SSS FUL L7

=>

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L10 STRUCTURE UPLOADED

=> s l10 sss ful

FULL SEARCH INITIATED 20:56:05 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 201 TO ITERATE

100.0% PROCESSED 201 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L11 0 SEA SSS FUL L10

=>

Uploading C:\Documents and Settings\ahughes\My Documents\10528613(5).str

L12 STRUCTURE UPLOADED

=> s l12 sss sam

SAMPLE SEARCH INITIATED 20:56:45 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 194 TO ITERATE

100.0% PROCESSED 194 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 3045 TO 4715

PROJECTED ANSWERS: 0 TO 0

L13 0 SEA SSS SAM L12

=> s l12 sss ful

FULL SEARCH INITIATED 20:56:55 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 3663 TO ITERATE

100.0% PROCESSED 3663 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L14 0 SEA SSS FUL L12

=>

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L15 STRUCTURE UPLOADED

=> s l15 sss sam

SAMPLE SEARCH INITIATED 20:57:39 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 5 TO 234

PROJECTED ANSWERS: 0 TO 0

L16 0 SEA SSS SAM L15

=> s l15 sss ful

FULL SEARCH INITIATED 20:57:47 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 87 TO ITERATE

100.0% PROCESSED 87 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L17 0 SEA SSS FUL L15

=>

Uploading C:\Documents and Settings\ahughes\My Documents\10528613(3).str

L18 STRUCTURE UPLOADED

=> s l18 sss sam

SAMPLE SEARCH INITIATED 20:58:31 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 9 TO ITERATE

100.0% PROCESSED 9 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 9 TO 360

PROJECTED ANSWERS: 0 TO 0

L19 0 SEA SSS SAM L18

=> s l18 sss ful

FULL SEARCH INITIATED 20:58:38 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 311 TO ITERATE

100.0% PROCESSED 311 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L20 0 SEA SSS FUL L18

=>

Uploading C:\Documents and Settings\ahughes\My Documents\10528613(2).str

L21 STRUCTURE UPLOADED

=> s l21 sss sam

SAMPLE SEARCH INITIATED 20:59:08 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 263 TO ITERATE

100.0% PROCESSED 263 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 4287 TO 6233

PROJECTED ANSWERS: 0 TO 0

L22 0 SEA SSS SAM L21

=> s l22 sss ful

FULL SEARCH INITIATED 20:59:16 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 4885 TO ITERATE

100.0% PROCESSED 4885 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L23 0 SEA SSS FUL L21

=>

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FILE COVERS 1907 - 3 Aug 2008 VOL 149 ISS 6
FILE LAST UPDATED: 2 Aug 2008 (20080802/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s l29

L30 1281 L29

=> s immune disorder or autoimmune or inflammatory disorder or pain or rheumatoid arthritis or multiple sclerosis or osteoarthritis or osteoporosis or musculoskeletal or cancer pain or cancer or acute pain migraine or post operative pain or neuropathic pain or visceral pain

240935 IMMUNE
275958 DISORDER
686 IMMUNE DISORDER
(IMMUNE(W)DISORDER)
60074 AUTOIMMUNE
210018 INFLAMMATORY
275958 DISORDER
696 INFLAMMATORY DISORDER
(INFLAMMATORY(W)DISORDER)
60778 PAIN
37813 RHEUMATOID
53134 ARTHRITIS
33881 RHEUMATOID ARTHRITIS
(RHEUMATOID(W) ARTHRITIS)
493895 MULTIPLE
31892 SCLEROSIS
19705 MULTIPLE SCLEROSIS
(MULTIPLE(W) SCLEROSIS)
10766 OSTEOARTHRITIS
23253 OSTEOPOROSIS
2629 MUSCULOSKELETAL
368830 CANCER
60778 PAIN
841 CANCER PAIN
(CANCER(W) PAIN)
368830 CANCER
262913 ACUTE
60778 PAIN
7336 MIGRAINE
5 ACUTE PAIN MIGRAINE
(ACUTE(W) PAIN(W) MIGRAINE)
269573 POST
34636 OPERATIVE
60778 PAIN
297 POST OPERATIVE PAIN

(POST(W) OPERATIVE(W) PAIN)
 5901 NEUROPATHIC
 60778 PAIN
 4737 NEUROPATHIC PAIN
 (NEUROPATHIC(W) PAIN)
 14559 VISCERAL
 60778 PAIN
 935 VISCERAL PAIN
 (VISCERAL(W) PAIN)

L31 536469 IMMUNE DISORDER OR AUTOIMMUNE OR INFLAMMATORY DISORDER OR PAIN
 OR RHEUMATOID ARTHRITIS OR MULTIPLE SCLEROSIS OR OSTEOARTHRITIS
 OR OSTEOPOROSIS OR MUSCULOSKELETAL OR CANCER PAIN OR CANCER OR
 ACUTE PAIN MIGRAINE OR POST OPERATIVE PAIN OR NEUROPATHIC PAIN
 OR VISCERAL PAIN

=> s l30 and l31
 L32 226 L30 AND L31

=> s l32 and cannabinoid
 8576 CANNABINOID
 L33 0 L32 AND CANNABINOID

=> d ibib hitstr abs l32 1-226

L32 ANSWER 1 OF 226 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2008:831769 CAPLUS
 TITLE: Polycyclic heteroaryl substituted triazoles useful as
 Axl inhibitors and their preparation
 INVENTOR(S): Goff, Dane; Zhang, Jing; Singh, Rajinder; Holland,
 Sacha; Yu, Jiaxin; Heckrodt, Thilo; Ding, Pingyu;
 Litvak, Joane
 PATENT ASSIGNEE(S): Rigel Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 356pp., which which
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008083367	A2	20080710	WO 2007-US89177	20071229
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: US 2006-882850P P 20061229
 US 2007-895400P P 20070316
 US 2007-970931P P 20070907

IT 1037624-88-6P 1037624-95-5P 1037624-96-6P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (drug candidate; preparation of polycyclic heteroaryl substituted triazoles
 as Axl inhibitors useful in the treatment of diseases)
 RN 1037624-88-6 CAPLUS

tryptophan (I) metabolites of the kynurenine (II) and serotonin pathways. Of 21 rheumatoid patients, 12 excreted increased quantities of II, 11 increased 3-hydroxyanthranilic acid, and 6 increased xanthurenic acid. No difference was found in the excretion of N-methylnicotinamide, total indoles, free and total indole-3-acetic acid, tryptamine, and 5-hydroxyindole-3-acetic acid. Thus, the abnormal metabolism of I of patients with rheumatoid arthritis results from a shunt of I into the II pathway. 22 references.

=> s l43 and cannabinoid

8576 CANNABINOID

L44 7 L43 AND CANNABINOID

=> d ibib hitstr abs l44 1-7

L44 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:319861 CAPLUS

DOCUMENT NUMBER: 148:331719

TITLE: Preparation of imidazole derivatives as modulators of cannabinoid receptors CB2

INVENTOR(S): Osakada, Naoto; Osakada, Mariko; Sawada, Takashi; Kaneko, Satoshi; Mizutani, Atsuko; Uesaka, Noriaki; Nakasato, Yoshisuke; Katayama, Keishi; Sugawara, Masamori; Kitamura, Yushi

PATENT ASSIGNEE(S): Kyowa Hakko Kogyo Co., Ltd., Japan

SOURCE: PCT Int. Appl., 216pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

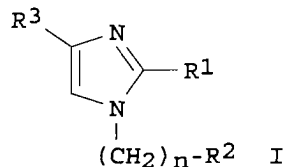
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008029825	A1	20080313	WO 2007-JP67261	20070905
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: JP 2006-239907 A 20060905

OTHER SOURCE(S): MARPAT 148:331719

GI



AB The title compds. [I; R1 = each (un)substituted lower alkyl, aralkyl, cycloalkyl, lower alkenyl, aliphatic heterocyclyl, or aromatic heterocyclyl; R2

= each (un)substituted cycloalkyl, aliphatic heterocyclyl, aryl, or aromatic heterocyclyl; R3 = each (un)substituted aryl, condensed aromatic hydrocarbyl, aromatic heterocyclyl, or vinyl; n = an integer of 0-3] or pharmaceutically acceptable salts thereof are prepared There are disclosed cannabinoid CB2 receptor modulators, in particular cannabinoid CB2 receptor agonists or preventives and/or therapeutics for pains. Thus, 2-tert-butyl-4-(3-nitrophenyl)-1H-imidazole was dissolved in DMF, treated with NaH, stirred for 1 h under ice-cooling, treated with 2-(bromomethyl)tetrahydro-2H-pyran and NaI, and stirred at room temperature for 4 h to give 20% 2-tert-Butyl-4-(3-nitrophenyl)-1-(tetrahydropyran-2-ylmethyl)-1H-imidazole (II). II increased the specific binding of [35S]GTPγS to human CB2 receptor with EC50 of <1 μM.

REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L44 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:823696 CAPLUS

DOCUMENT NUMBER: 143:229727

TITLE: Preparation of carbamoyl-amino-pyridine derivatives as cannabinoid receptor modulators

INVENTOR(S): Giblin, Gerard Martin Paul; Jandu, Karamjit Singh; Mitchell, William Leonard; Wall, Ian David

PATENT ASSIGNEE(S): Glaxo Group Limited, UK

SOURCE: PCT Int. Appl., 59 pp.

CODEN: PIXXD2

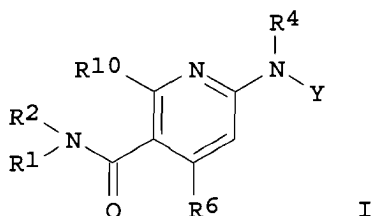
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005075464	A1	20050818	WO 2005-GB350	20050201
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1735301	A1	20061227	EP 2005-702090	20050201
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, HR, LV			
JP 2007520539	T	20070726	JP 2006-551908	20050201
PRIORITY APPLN. INFO.:			GB 2004-2357	A 20040203
			WO 2005-GB350	W 20050201
OTHER SOURCE(S):			CASREACT 143:229727; MARPAT 143:229727	
GI				



AB Title compds. I [Y = (un)substituted phenyl; R1 = H, alkyl, cycloalkyl, etc.; R2 = (CH2)0-1R3; R3 = (un)substituted 4-8 membered non-aromatic heterocyclyl ring; R4 = H, alkyl, cycloalkyl, etc.; R6 = cycloalkyl, etc.; R10 = cycloalkyl, etc.] are prepared For instance, 6-(3-Chlorophenylamino)-4-cyclopentyl-N-((tetrahydropyran-4-yl)methyl)nicotinamide is prepared from 6-chloro-4-cyclopentyl-N-((tetrahydropyran-4-yl)methyl)nicotinamide (preparation given) and 3-chloroaniline. Selected example compds. exhibit EC50 < 300 nM at the cloned human CB2 receptor. I are useful for the treatment of pain.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L44 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:823578 CAPLUS

DOCUMENT NUMBER: 143:229872

TITLE: Preparation of aminopyri(mi)dinecarboxamide CB2 modulators for use in combination with PDE4 inhibitors for treating pain, immune, inflammatory and rheumatic diseases

INVENTOR(S): Green, Richard Howard; Brown, Andrew James; Connor, Helen Elizabeth; Eatherton, Andrew John; Gibling, Gerard Martin Paul; Jandu, Karamjit Singh; Knowles, Richard Graham; Mitchell, William Leonard; Naylor, Alan; O'Shaughnessy, Celestine Theresa; Palombi, Giovanni; Rawlings, Derek Anthony; Slingsby, Brian Peter; Tralau-Stewart, Catherine Jane; Whittington, Andrew Richard; Williamson, Richard Alexander

PATENT ASSIGNEE(S): Glaxo Group Limited, UK; Doughty, Jennifer Margaret

SOURCE: PCT Int. Appl., 192 pp.

CODEN: PIXXD2

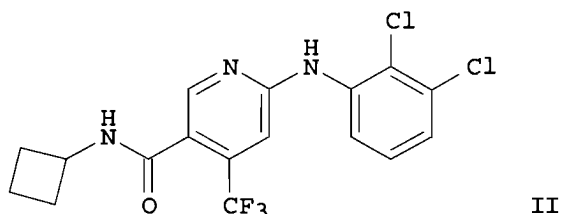
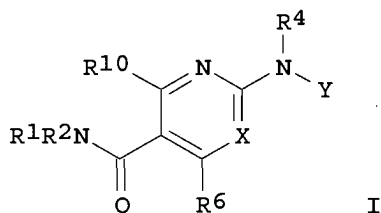
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005074939	A1	20050818	WO 2005-GB348	20050201
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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EP 1732561	A1	20061220	EP 2005-702088	20050201
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, HR, LV				
JP 2007520538	T	20070726	JP 2006-551906	20050201
US 20080132505	A1	20080605	US 2006-597527	20061102
PRIORITY APPLN. INFO.:			GB 2004-2355	A 20040203
			WO 2005-GB348	W 20050201
OTHER SOURCE(S):			CASREACT 143:229872; MARPAT 143:229872	
GI				



AB The invention is related to combination of one or more CB2 modulators of formula I [X = CH, N; Y = (un)substituted Ph; R1 = H, cyclo/alkyl, (un)substituted haloalkyl; R2 = C(R7)2R3; R3 = (un)substituted non-aromatic heterocyclyl, cycloalk(en)yl, 5-6 membered aromatic heterocyclyl, etc.; R4 = H, COMe, SO2Me, cyclo/alkyl, (un)substituted haloalkyl; R6 = Me, Cl, CHmFn; n = 1-3; m = 0-2; (n + m) = 3; R7 = H, alkyl; when X = CH, R6 = Cl, or (un)substituted alkyl and R10 = H, or R10 = Cl, or (un)substituted alkyl and R10 = H; and their pharmaceutically acceptable salts] and one or more PDE4 inhibitors useful for treating conditions which are mediated by the activity of CB2 receptors or conditions which are mediated by PDE4, such as an immune disorder, an inflammatory disorder, pain, rheumatoid. The invention is also related to the preparation of CB2 modulators I. For example, reacting cyclobutylamine with 6-(2,3-dichlorophenylamino)-4-trifluoromethylnicotinic acid (preparation given) gave II in 81% yield. Selected I had EC50 values of >300 nM but <1000 nM and efficacy value of >50% at the cloned human cannabinoid CB2 receptor. Three formulations are given.

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L44 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:292017 CAPLUS

DOCUMENT NUMBER: 140:303546

TITLE: Preparation of pyridine derivatives as CB2 receptor modulators

INVENTOR(S): Green, Richard Howard; Eatherton, Andrew John; Giblin, Gerard Martin Paul; Jandu, Karamjit Singh; Mitchell, William Leonard; Naylor, Alan; Palombi, Giovanni; Rawlings, Derek Anthony; Slingsby, Brian Peter; Whittington, Andrew Richard

PATENT ASSIGNEE(S): Glaxo Group Limited, UK

SOURCE: PCT Int. Appl., 116 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004029026	A1	20040408	WO 2003-EP10930	20030925
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
 GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
 LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
 OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
 TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
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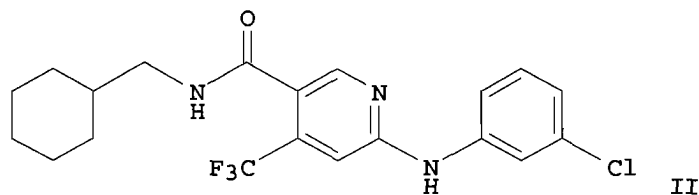
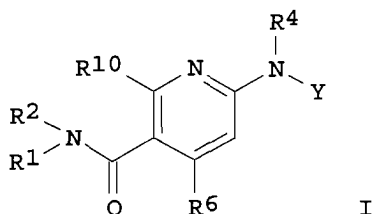
CA 2500231	A1	20040408	CA 2003-2500231	20030925
AU 2003268907	A1	20040419	AU 2003-268907	20030925
BR 2003014635	A	20050802	BR 2003-14635	20030925
EP 1565442	A1	20050824	EP 2003-750676	20030925
EP 1565442	B1	20071114		

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 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

CN 1703402	A	20051130	CN 2003-825472	20030925
JP 2006503845	T	20060202	JP 2004-539056	20030925
NZ 538943	A	20070126	NZ 2003-538943	20030925
AT 378317	T	20071115	AT 2003-750676	20030925
ES 2294313	T3	20080401	ES 2003-750676	20030925
ZA 2005002084	A	20060222	ZA 2005-2084	20050311
MX 2005PA03263	A	20050705	MX 2005-PA3263	20050328
NO 2005002028	A	20050603	NO 2005-2028	20050426
US 20060240048	A1	20061026	US 2006-528613	20060228

PRIORITY APPLN. INFO.: GB 2002-22493 A 20020927
 WO 2003-EP10930 W 20030925

OTHER SOURCE(S): MARPAT 140:303546
 GI



AB Title compds. I [Y = (un)substituted phenyl; R1 = H, (cyclo)alkyl; R2 = (CH2)0-1R3, etc.; R3 = 4-8-membered non-aromatic heterocycle, etc.; R4 = H, alkyl, cycloalkyl, etc.; R6 = alkyl, Cl and R10 = H or R10 = alkyl, Cl and R6 = H] are prepared For instance, 6-(3-chlorophenylamino)-4-(trifluoromethyl)nicotinic acid•HCl (preparation given) is coupled to 4-aminomethylcyclohexane (DMF, NMM, HOBt, EDCI, 6 h) to give II. Selected examples, including II, had EC50 < 300 nM at the cloned human cannabinoid CB2 receptor. I are useful for the treatment of pain, which diseases are caused directly or indirectly by an

increase or decrease in activity of the cannabinoid receptor.

L44 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:796416 CAPLUS

DOCUMENT NUMBER: 139:307686

TITLE: Preparation of 2,3-diphenylpyridines as
cannabinoid-1 receptor antagonists and inverse
agonists

INVENTOR(S): Finke, Paul E.; Meurer, Laura C.; Debenham, John S.;
Toupence, Richard B.; Walsh, Thomas F.

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 211 pp.

CODEN: PIXXD2

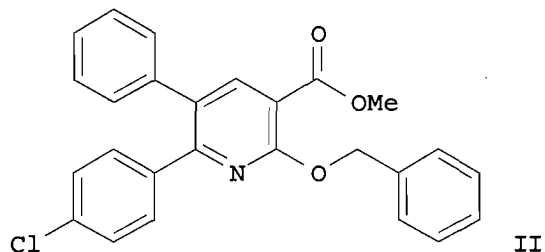
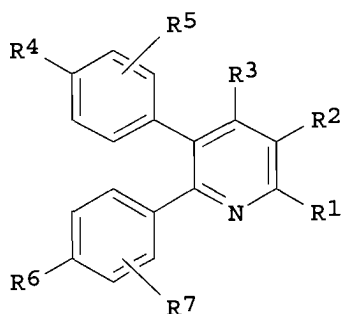
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003082191	A2	20031009	WO 2003-US9005	20030324
WO 2003082191	A3	20040115		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2479744	A1	20031009	CA 2003-2479744	20030324
AU 2003225964	A1	20031013	AU 2003-225964	20030324
EP 1492784	A2	20050105	EP 2003-745578	20030324
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 2005531520	T	20051020	JP 2003-579734	20030324
US 20050182103	A1	20050818	US 2004-508043	20040917
US 7271266	B2	20070918		
PRIORITY APPLN. INFO.:			US 2002-368334P	P 20020328
			WO 2003-US9005	W 20030324
OTHER SOURCE(S):	MARPAT 139:307686			
GI				



AB Title compds. I [wherein R1 = H, halo, CN, or (un)substituted alkyl, heterocycloalkyl(alkyl), heteroaryl, (hetero)arylalkyl, acyl, carboxy, (thio)ether, amino, carbamoyl, acylamino, carboxyamino, or ureido; R2 = H, CN, carboxy, halo, NO2, CF3, or (un)substituted carbamoyl; provided that R1 and R2 are not both H; R3 = H, CF3, or (un)substituted (cyclo)alkyl; R4-R7 = independently H, halo, amino, carboxy, alkyl, alkoxy, aryl(alkyl), OH, CF3, alkanoyloxy, or carbamoyloxy; provided that R6 and R7 are not both H; and pharmaceutically acceptable salts thereof] were prepared as cannabinoid-1 (CB1) receptor antagonists and/or inverse agonists (no data). For example, benzyl 4-chlorophenyl ketone was condensed with DMF dimethylacetal in DMF to give 3-(dimethylamino)-1-(4-chlorophenyl)-2-phenylprop-2-en-1-one. Cyclocondensation of the vinyl ketone with cyanoacetamide using NaH in DMF and MeOH provided the 3-cyano-2-pyridone. Conversion of the nitrile to the carboxylic acid with 50% H2SO4, followed by esterification using HCl in MeOH gave Me 6-(4-chlorophenyl)-5-phenyl-2-oxo-1,2-dihydropyridine-3-carboxylate. O-alkylation of the pyridone with benzyl bromide in the presence of Cs2CO3 in DMF afforded the title 2,3-diphenylpyridine II. Compds. of the invention and their pharmaceutical compns. serve as centrally acting drugs for the treatment, prevention, and suppression of diseases mediated by the CB1 receptor, such as psychosis, memory deficits, cognitive disorders, migraine, neuropathy, neuro-inflammatory disorders including multiple sclerosis and Guillain-Barre syndrome, the inflammatory sequelae of viral encephalitis, cerebral vascular accidents, and head trauma, anxiety disorders, stress, epilepsy, Parkinson's disease, movement disorders, and schizophrenia (no data). I are also useful for the treatment of substance abuse disorders, obesity or eating disorders, asthma, constipation, chronic intestinal pseudo-obstruction, and cirrhosis of the liver (no data).

L44 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:261846 CAPLUS

DOCUMENT NUMBER: 138:271665

TITLE: Preparation of 1,6-naphthyridine derivatives as antidiabetics

INVENTOR(S): Wang, Yamin; Bullock, William H.; Chen, Libing

PATENT ASSIGNEE(S): Bayer Corporation, USA

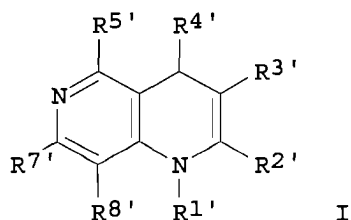
SOURCE: PCT Int. Appl., 357 pp.

DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003027113	A1	20030403	WO 2002-US30376	20020923
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2463039	A1	20030403	CA 2002-2463039	20020923
AU 2002362602	A1	20030407	AU 2002-362602	20020923
US 6677352	B1	20040113	US 2002-253215	20020923
US 20040014751	A1	20040122	US 2002-253104	20020923
US 6900205	B2	20050531		
EP 1432711	A1	20040630	EP 2002-799627	20020923
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BR 2002012864	A	20040817	BR 2002-12864	20020923
CN 1578780	A	20050209	CN 2002-823019	20020923
CN 1578781	A	20050209	CN 2002-823021	20020923
JP 2005504808	T	20050217	JP 2003-530701	20020923
HU 2004002310	A2	20050228	HU 2004-2310	20020923
US 20040157875	A1	20040812	US 2003-684299	20031010
US 6964971	B2	20051115		
MX 2004PA02136	A	20050307	MX 2004-PA2136	20040305
IN 2004DN00692	A	20050401	IN 2004-DN692	20040318
NO 2004001560	A	20040511	NO 2004-1560	20040416
ZA 2004003063	A	20050422	ZA 2004-3063	20040422
ZA 2004003064	A	20050422	ZA 2004-3064	20040422
US 20040209866	A1	20041021	US 2004-834357	20040428
US 7109196	B2	20060919		
US 20060189609	A1	20060824	US 2006-409536	20060421
PRIORITY APPLN. INFO.:				
			US 2001-324511P	P 20010926
			US 2002-253104	A3 20020923
			US 2002-253215	A1 20020923
			WO 2002-US30376	W 20020923
			US 2004-834357	A3 20040428

OTHER SOURCE(S): MARPAT 138:271665
 GI



AB The invention relates generally to naphthyridines and more specifically, to 1,6-naphthyridines (shown as I; variables defined below; e.g. 2-anilino-5-chloro-7-methyl-1-phenyl-1,6-naphthyridin-4(1H)-one) and pharmaceutical compns. containing such derivs. Methods of the invention comprise administration of a naphthyridine derivative of the invention for the treatment of diabetes and related disorders. A typical pos. effect of a compound results in a 12-20% reduction in the glucose AUC relative to the AUC of

the vehicle-treated group of male Wistar rats; compds. of present invention have a blood glucose lowering effect in this in vivo assay. Although the methods of preparation are not claimed, .apprx.50 example prepsns. of naphthyridines, mostly 1,8-naphthyridin-4(1H)-ones, plus example prepsns. of intermediates are included; characterization data for a large number of 1,6- and 1,8-naphthyridin-4(1H)-ones are also included. For I: R1' = C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, and A-R9, or R1' = C6-10 aryl, C2-9 heteroaryl with 1-4 heteroatoms = N, S(O)0-2 and O, C3-8 cycloalkyl, C4-8 cycloalkenyl, 5-7 membered heterocycloalkyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2 and O, and 5-7 membered heterocycloalkenyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2 and O. A = C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, and C1-8 haloalkyl; R9 = hydroxy, C1-6 alkoxy, C3-6 cycloalkoxy, O-A-R14, NR11R12; or R9 = C6-10 aryl, C2-9 heteroaryl with 1-4 heteroatoms = N, S(O)0-2 and O, C3-8 cycloalkyl, C5-8 cycloalkenyl or R9 = 5-7 membered heterocycloalkyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2 and O and 5-7 membered heterocycloalkenyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2 and O. R2' = NR15R16, S(O)0-2R17, and OR17. R3' = C6-10 aryl, C2-9 heteroaryl with 1-4 heteroatoms = N, S(O)0-2 and O, C3-8 cycloalkyl, heterocycloalkyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2, and O, C4-8 cycloalkenyl, and heterocycloalkenyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2 and O; or R3' = C1-6 alkyl, C2-6 alkenyl, C2-6 alkynyl, C1-6 haloalkyl, H, nitro, halogen, NR19R20, A-OR19, A-NR19R20, and A-R20. R4' = O, S, and OR21. R5', R7', and R8' = C3-8 cycloalkyl, C4-8 cycloalkenyl, C6-10 aryl, C2-9 heteroaryl with 1-4 heteroatoms or R5', R7', and R8' = 5-7 membered heterocycloalkyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2 and O and 5-7 membered heterocycloalkenyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2 and O or R5', R7', and R8' = H, halogen, nitrile, nitro, hydroxy, C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, C1-8 haloalkyl, C1-8 alkoxy, C1-8 haloalkoxy, C3-8 cycloalkoxy, A-R23, A(OR22)R23, NR27R28, A-NR27R28, A-Q-R29, Q-R29, Q-A-NR24R25, C(O)R24, C(O)OR24, C(O)NR24R25, A-C(O)R24, A-C(O)OR24, and A-C(O)NR24R25; addnl. definitions are given in the claims.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L44 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:261845 CAPLUS

DOCUMENT NUMBER: 138:271664

TITLE: Preparation of 1,8-naphthyridine derivatives as antidiabetics

INVENTOR(S): Wang, Yamin; Gunn, David E.; Liu, Qingjie; Liang, Sidney X.; Bullock, William H.; Liu, Donglei; Magnuson, Steven R.; Li, Tindy; Mull, Eric S.; Wood, Jill E.; Qi, Ning

PATENT ASSIGNEE(S): Bayer Corporation, USA

SOURCE: PCT Int. Appl., 363 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

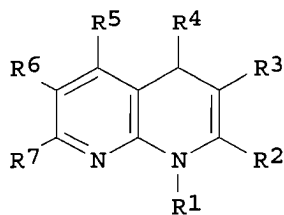
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003027112	A1	20030403	WO 2002-US30176	20020923
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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
US, UZ, VN, YU, ZA, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG,
KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG,
CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2461132	A1	20030403	CA 2002-2461132	20020923
AU 2002362598	A1	20030407	AU 2002-362598	20020923
US 6677352	B1	20040113	US 2002-253215	20020923
US 20040014751	A1	20040122	US 2002-253104	20020923
US 6900205	B2	20050531		
EP 1432710	A1	20040630	EP 2002-799608	20020923
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US 6964971	B2	20051115		
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ZA 2004003064	A	20050422	ZA 2004-3064	20040422
US 20040209866	A1	20041021	US 2004-834357	20040428
US 7109196	B2	20060919		
US 20060189609	A1	20060824	US 2006-409536	20060421
PRIORITY APPLN. INFO.:			US 2001-324511P	P 20010926
			US 2002-253104	A3 20020923
			US 2002-253215	A1 20020923
			WO 2002-US30176	W 20020923
			US 2004-834357	A3 20040428

OTHER SOURCE(S): MARPAT 138:271664
GI



I

AB The invention relates generally to naphthyridines and more specifically, to 1,8-naphthyridines (shown as I; variables defined below; e.g. 2-anilino-1,7-diphenyl-5-(trifluoromethyl)-1,8-naphthyridin-4(1H)-one) and pharmaceutical compns. containing such derivs. Methods of the invention comprise administration of a naphthyridine derivative of the invention for the treatment of diabetes and related disorders. A typical pos. effect of a compound results in a 12-20% reduction in the glucose AUC relative to the AUC of the vehicle-treated group of male Wistar rats; compds. of present invention have a blood glucose lowering effect in this in vivo assay.

Although the methods of preparation are not claimed, .apprx.50 example prepsns. of naphthyridines, mostly 1,8-naphthyridin-4(1H)-ones but also some 1,6-naphthyridin-4(1H)-ones, plus example prepsns. of intermediates are included; characterization data for a large number of 1,6- and 1,8-naphthyridin-4(1H)-ones are also included. The examples section appears to be identical to that of patent WO 03/027113 A1 (CAPLUS accession number 2003:261846). For I: R1 = C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, and A-R9, or R1 = C6-10 aryl, C2-9 heteroaryl with 1-4 heteroatoms = N, S(O)0-2 and O, C3-8 cycloalkyl, C4-8 cycloalkenyl, 5-7 membered heterocycloalkyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2 and O, and 5-7 membered heterocycloalkenyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2 and O. A = C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, and C1-8 haloalkyl; R9 = hydroxy, C1-6 alkoxy, C3-6 cycloalkoxy, O-A-R14, NR11R12; or R9 = C6-10 aryl, C2-9 heteroaryl with 1-4 heteroatoms = N, S(O)0-2 and O, C3-8 cycloalkyl, C5-8 cycloalkenyl or R9 = 5-7 membered heterocycloalkyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2 and O and 5-7 membered heterocycloalkenyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2 and O. R2 = NR15R16, S(O)0-2R17, and OR17. R3 = C6-10 aryl, C2-9 heteroaryl with 1-4 heteroatoms = N, S(O)0-2 and O, C3-8 cycloalkyl, heterocycloalkyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2, and O, C4-8 cycloalkenyl, and heterocycloalkenyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2 and O; or R3 = C1-6 alkyl, C2-6 alkenyl, C2-6 alkynyl, C1-6 haloalkyl, H, nitro, halogen, NR19R20, A-OR19, A-NR19R20, and A-R20. R4 = O, S, and OR21. R5, R6 and R7 = C3-8 cycloalkyl, C4-8 cycloalkenyl, C6-10 aryl, C2-9 heteroaryl with 1-4 heteroatoms or R5, R6 and R7 = 5-7 membered heterocycloalkyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2 and O and 5-7 membered heterocycloalkenyl with 3-6 C atoms and 1-2 heteroatoms = N, S(O)0-2 and O or R5, R7, and R8 = H, halogen, nitrile, nitro, hydroxy, C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, C1-8 haloalkyl, C1-8 alkoxy, C1-8 haloalkoxy, C3-8 cycloalkoxy, A-R23, A(OR22)R23, NR27R28, A-NR27R28, A-Q-R29, Q-R29, Q-A-NR24R25, C(O)R24, C(O)OR24, C(O)NR24R25, A-C(O)R24, A-C(O)OR24, and A-C(O)NR24R25; addnl. definitions and provisos are given in the claims.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> FIL STNGUIDE
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
370.25	3635.64

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-66.40	-247.20

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Aug 1, 2008 (20080801/UP).

=> d his

(FILE 'HOME' ENTERED AT 20:52:59 ON 03 AUG 2008)

FILE 'REGISTRY' ENTERED AT 20:53:08 ON 03 AUG 2008

L1	STRUCTURE UPLOADED
L2	0 S L1 SSS SAM
L3	0 S L1 SSS FUL
L4	STRUCTURE UPLOADED
L5	0 S L4 SSS SAM
L6	0 S L4 SSS FUL

L7 STRUCTURE UPLOADED
 L8 0 S L7 SSS SAM
 L9 0 S L7 SSS FUL
 L10 STRUCTURE UPLOADED
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 L28 32 S L27 SSS SAM
 L29 13349 S L27 SSS FUL

FILE 'CAPLUS' ENTERED AT 21:07:25 ON 03 AUG 2008

L30 1281 S L29
 L31 536469 S IMMUNE DISORDER OR AUTOIMMUNE OR INFLAMMATORY DISORDER OR PAI
 L32 226 S L30 AND L31
 L33 0 S L32 AND CANNABINOID

FILE 'STNGUIDE' ENTERED AT 21:19:04 ON 03 AUG 2008

FILE 'REGISTRY' ENTERED AT 21:31:41 ON 03 AUG 2008

L34 STRUCTURE UPLOADED
 L35 8 S L34 SSS SAM
 L36 143 S L34 SSS FUL

FILE 'CAPLUS' ENTERED AT 21:32:14 ON 03 AUG 2008

L37 38 S L36
 L38 159310 S IMMUNE DISORDER OR AUTOIMMUNE OR INFLAMMATORY DISORDER OR PAI
 L39 10 S L38 AND L37
 L40 24466 S METHYL NICOTINAMIDE OR METHYLNICOTINAMIDE OR NICOTINAMIDE
 L41 1899 S METHYLNICOTINAMIDE OR METHYL NICOTINAMIDE
 L42 159310 S IMMUNE DISORDER OR AUTOIMMUNE OR INFLAMMATORY DISORDER OR PAI
 L43 66 S L42 AND L41
 L44 7 S L43 AND CANNABINOID

FILE 'STNGUIDE' ENTERED AT 21:44:34 ON 03 AUG 2008